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## Abstract of the Disclosure

An electromagnetic drive device comprises a drive part  
10 (10) arranged to be reciprocated in the stroke direction (H)  
and possessing a circular or oval cross section, said drive  
part having a permanent magnet arrangement magnetized  
athwart the stroke direction (H), such arrangement  
possessing at least one pair of oppositely magnetized magnet  
15 portions (11 through 14) arranged sequentially in the stroke  
direction and being arranged in the intermediate space of a  
yoke arrangement (16) with pole pieces (19 through 22)  
provided in the direction of magnetization on opposite sides  
of the drive part (10). The yoke arrangement (16) possesses  
20 two pairs of pole pieces (19 through 22) delimiting the  
intermediate space and which are joined together by two yoke  
regions (23 and 24) extending essentially in parallelism to  
the stroke direction (H). At least one of the yoke regions  
(23 and 24) is surrounded by a coil (25 and 26) able to  
25 conduct current for performing a stroke. Each pair of pole  
pieces (19 and 21 and respectively 22 and 22) is provided  
with a pair of oppositely magnetized magnet portions (11,

12; 32, 33 and, respectively, 13, 14; 34, 35) of the permanent magnet arrangement. This means that it is simple to design for an extremely narrow overall size.

5     Figure 1